

# Learning about Research Data Services

My LIS 672 Practicum Experience

Steve Pfeiffer

Site Supervisor: Amy Koshoffer

# What is a Practicum?

- Work in a library professional setting, & get 3 course credit-hours.
- Meet people in the field and learn how they do their jobs.
- Gain experience with hands-on tasks.

## My Site: UC Libraries

- Aspire to be the "intellectual commons" of the university.

- Research Support



- Workshops & Seminars

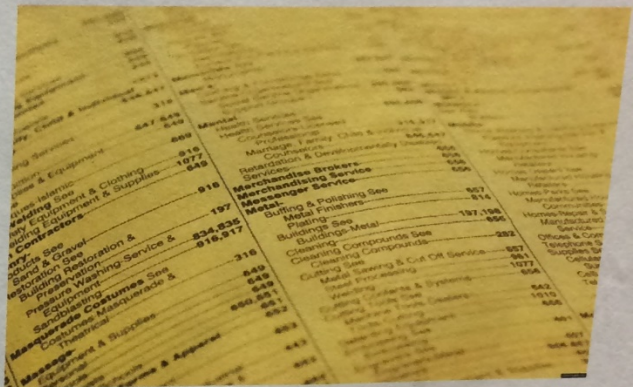




# Site Supervisor: Amy Koshoffer

- Science Informationist for UC
- Focuses on Research Data Services
- Data (and all research output) should be F.A.I.R. :

- Findable
- Accessible
- Interoperable
- Reusable



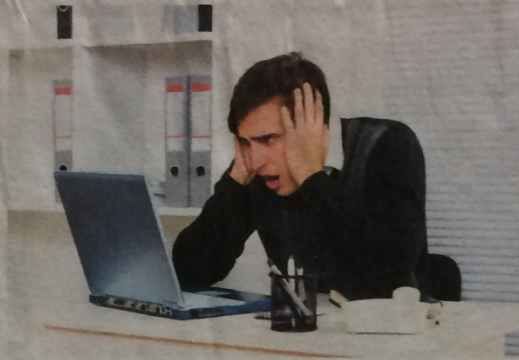
```
untitled
44 return(Out)
45 }
46
47 length(which(sapply(Names_Raw, beginsWithSpace)))
48 length(which(sapply(Names_Raw, endsWithSpace)))
49 length(which(sapply(Names_Raw, CMTOSAAT)))
50 length(which(sapply(Names_Raw, contains_forbidden_char)))
51 length(which(sapply(Names_Raw, contains_forbidden_char)))
52 length(which(sapply(Names_Raw, contains_forbidden_char)))
53 length(which(sapply(Names_Raw, contains_forbidden_char)))
54 cat(Names_Raw, sep="\n")
55 # require(stojner)
56
57

check_names.py — C:\Users\S\Documents — Atom
File Edit View Selection Find Packages Help
check_names.py x exploring_names.py x
10 csv_file = 'C:\\Users\\S\\Documents\\names.csv'
11 output_file = 'C:\\Users\\S\\Documents\\results_CEAS.cs
12 results = []
13
14 def parse_csv():
15     with open(csv_file, newline='') as csvfile:
16         name_reader = csv.reader(csvfile, delimiter=';')
17         for row in name_reader:
18             print("Checking name... " + row[0])
19             query_results = query_api(parse_name(row[0]))['re
20             if query_results:
21                 for query_result in query_results:
22                     results.append(f"{row[0]}, {query_result['orc
```



## Good Documentation → Reusability

What did we / they do again?



Main project:

Assess how easily a non-specialist can understand datasets submitted to UC's institutional repository.

**scholar@uc**

The UC digital repository, part of the UC Research Hub.

Need to understand the **context** of each dataset (methods, idiosyncracies....)

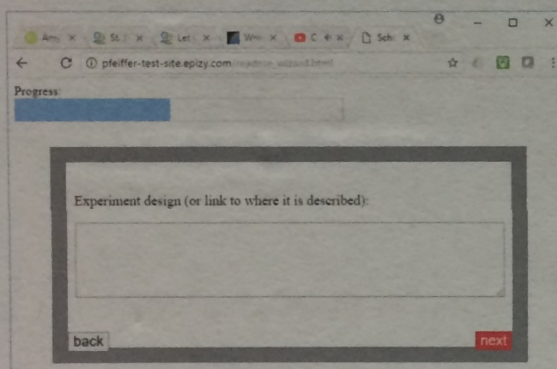
Voltage, V	Current, mA	PAR, uE	Temp, °C	RH, %	Rain, mm
-0.2039	0.0063	2553.7	14.314	49.2	N/A
-0.2039	0.0063	523.7	14.026	54.5	0
-0.2039	0.0063	1933.7	14.96	47.2	0
-0.2039	0.0063	423.7	14.098	54.5	0
-0.2039	0.0063	1856.2	15.772	45.2	0
-0.2039	0.0063	1998.7	16.201	47.6	0
-0.2039	0.0063	1683.7	15.008	49.9	0
-0.2039	0.0063	1741.2	15.843	45.8	0
-0.2039	0.0063	1706.2	16.439	48.8	0



## ReadMe files...

... are a great help to understand the context of a dataset.

- Making a "wizard" program to auto-generate a standardized ReadMe.
  - Multi-part form
  - Defined sequence
  - Stitch together text input



sample\_ReadMe\_weather\_station - Notepad

File Edit Format View Help

----- BASIC INFO -----

----- Contact Email: steven.pfeiffer@uky.edu -----

----- This dataset is related to the following publication(s): -----

example.me.com

----- We wish to thank: -----

I would like to thank everyone who helped maintain the station, especially Dr. Brown and Joe Moriarty. Also, the facilities managers helped me with repair advice, etc, etc.

----- HOW TO REUSE -----

----- How to cite this dataset in a publication: -----

Madeup, John Q. 2017. Meteorological Data Jumpingpound Ridge [dataset]. Accessed from scholar.uc.edu.

----- Caveats or recommendations about how to use this dataset: -----

This was collected by such-and-such a process, and so is suitable for any typical use, but is not recommended for that other use. General meteorological caveats apply, but care was taken to minimize non-standard boundary conditions.

|

----- METHODS -----

Windows taskbar: Type here to search

## Projects in the Works!

..... OSF (Open Science Framework)..... ORCID (Open Researcher & Contributor ID)..... Usability testi